

A Reliable Research Partner in Life Science and Medicine

PE/Elab Fluor[®] 594 Anti-Mouse CD71 Antibody[R17 217.1.3/TIB-219]

Catalog Number: E-AB-F1093P

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Reactivity Mouse Host Rat

lsotype Rat lgG2a, κ

Clone No. R17 217.1.3/TIB-219

Isotype Control

PE/Elab Fluor® 594 Rat IgG2a, κ Isotype Control[2A3] [Product E-AB-F09832P]

Conjugation PE/Elab Fluor® 594

Conjugation Information PE/Elab Fluor® 594 is designed to be excited by the blue (488 nm), Green (532 nm) and

yellow-green (561 nm) lasers and detected using an optical filter centered near 620 nm

(e.g., a 610/20 nm bandpass filter).

Storage Buffer Phosphate buffered solution, pH 7.2, containing 0.09% stabilizer.

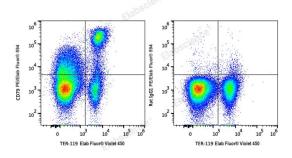
Applications Recommended usage

FCM Each lot of this antibody is quality control tested by flow cytometric analysis. The amount

of the reagent is suggested to be used 5 μ L of antibody per test (million cells in 100 μ L staining volume or per 100 μ L of whole blood). Please check your vial before the experiment. Since applications vary, the appropriate dilutions must be determined for

individual use.

Data



C57BL/6 murine bone marrow cells are stained with Elab

Fluor[®] Violet 450 Anti-Mouse TER-119 Antibody and PE/Elab Fluor[®] 594 Anti-Mouse CD71 Antibody (Left). Bone marrow cells stained with Elab Fluor[®] Violet 450 Anti-Mouse TER-119 Antibody and PE/Elab Fluor[®] 594 Rat IgG2a, κ Isotype Control (Right) are used as control.

Preparation & Storage

Storage Keep as concentrated solution.

This product can be stored at 2-8°C for 12 months. Please protected from prolonged

exposure to light and do not freeze.

Shipping Ice bag

Antigen Information

Alternate Names CD71;TR;TfR;TfR1;Tfrc;Transferrin receptor protein 1;Trfr

For Research Use Only

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 Uniprot ID
 Q62351

 Gene ID
 22042

Background CD71 is a 95 kD type II heterodimeric transmembrane glycoprotein that is also known

as T9 and transferrin receptor. CD71 is expressed on proliferating cells, reticulocytes, and erythroid precursors. Its expression is very low on resting leukocytes. CD71 plays a

role in the control of cellular proliferation by facilitating the uptake of iron via ferrotransferrin binding and the recycling of apotransferrin to the cell surface.

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